

- PCN, RF SAW Filter
- Revision 0: April 2011

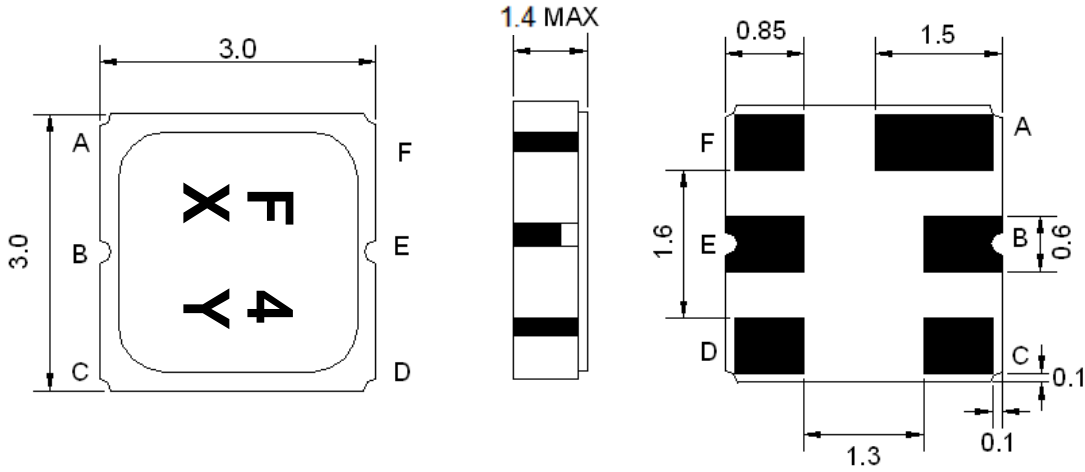
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1747.5	-
Insertion Loss within 1710.0 ~ 1785.0 MHz	dB	-	2.8	4.0
Amplitude Ripple within 1710.0 ~ 1785.0 MHz	dB <sub>p-p</sub>	-	1.9	2.5
Return Loss within 1710.0 ~ 1785.0 MHz	dB	5	7	-
<b>Attenuation:</b>				
1570.0 ~ 1645.0 MHz	dB	20	23	-
1900.0 ~ 3000.0 MHz	dB	20	25	-
20.0 ~ 1500.0 MHz	dB	20	22	-
1810.0 ~ 1855.0 MHz	dB	15	28	-
1640.0 ~ 1690.0 MHz	dB	5	20	-
1805.0 ~ 1880.0 MHz	dB	10	25	-

**Notes:** (1) No Matching Network

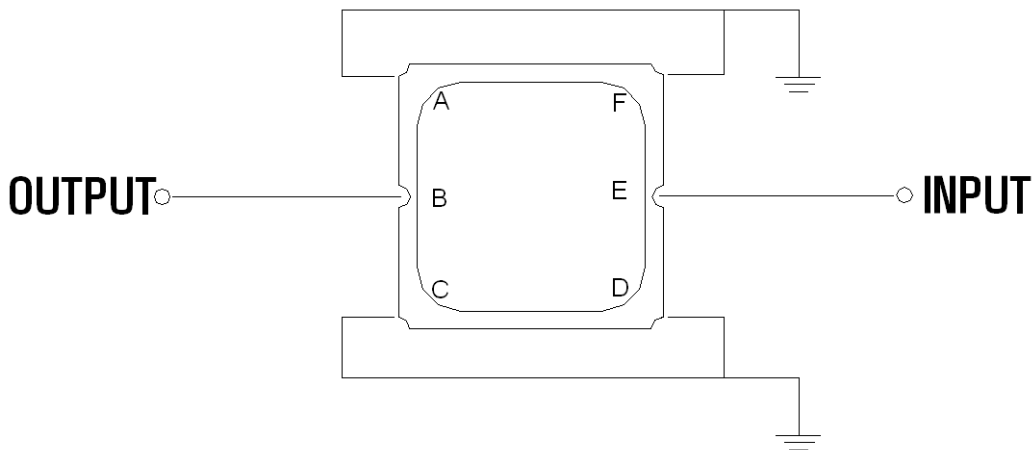
## Package Dimensions



Marking Descriptions	
F	PCN Application
4	Series Number
X	Date Code (Year)
Y	Date Code (Month)

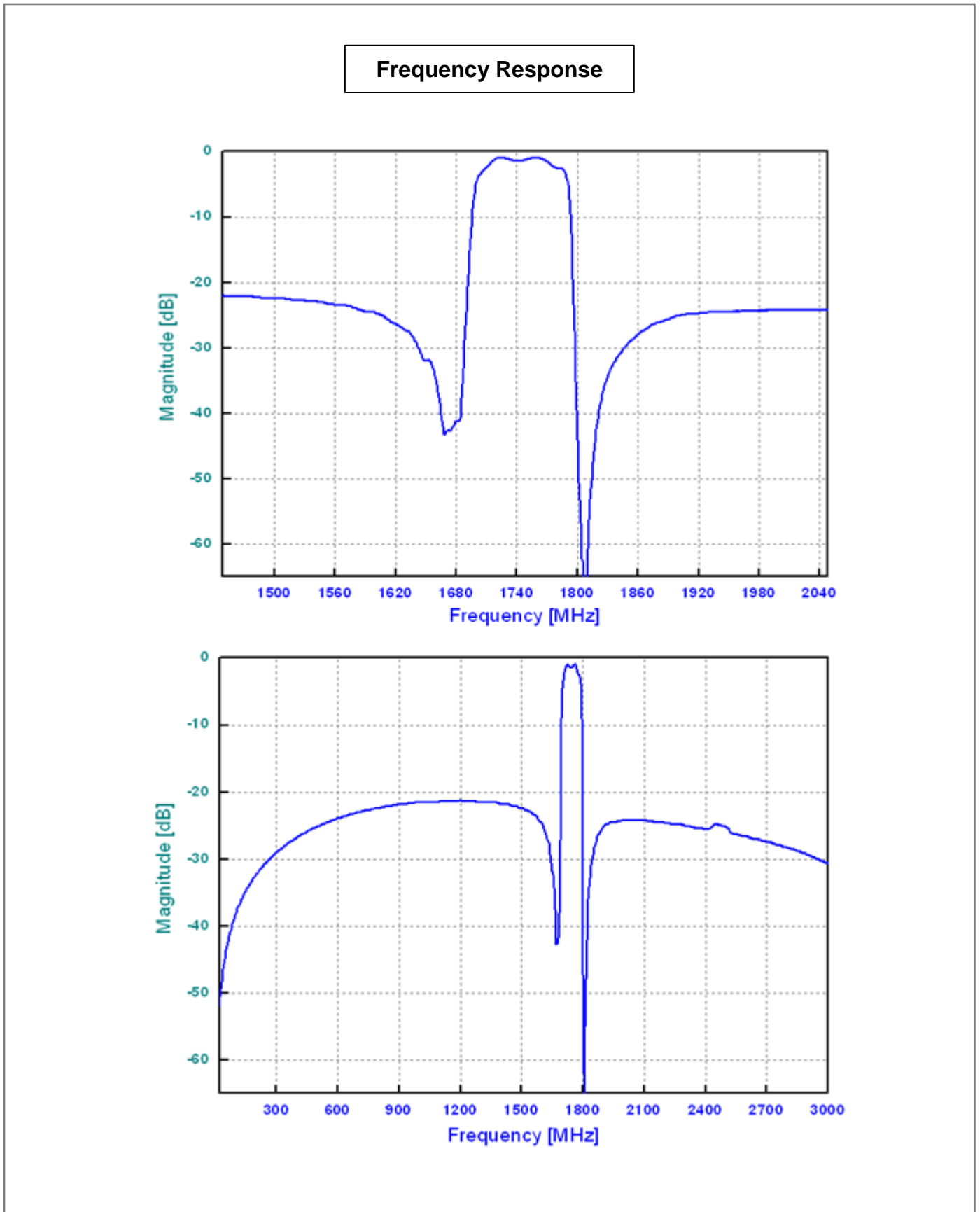
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

## Testing Environment

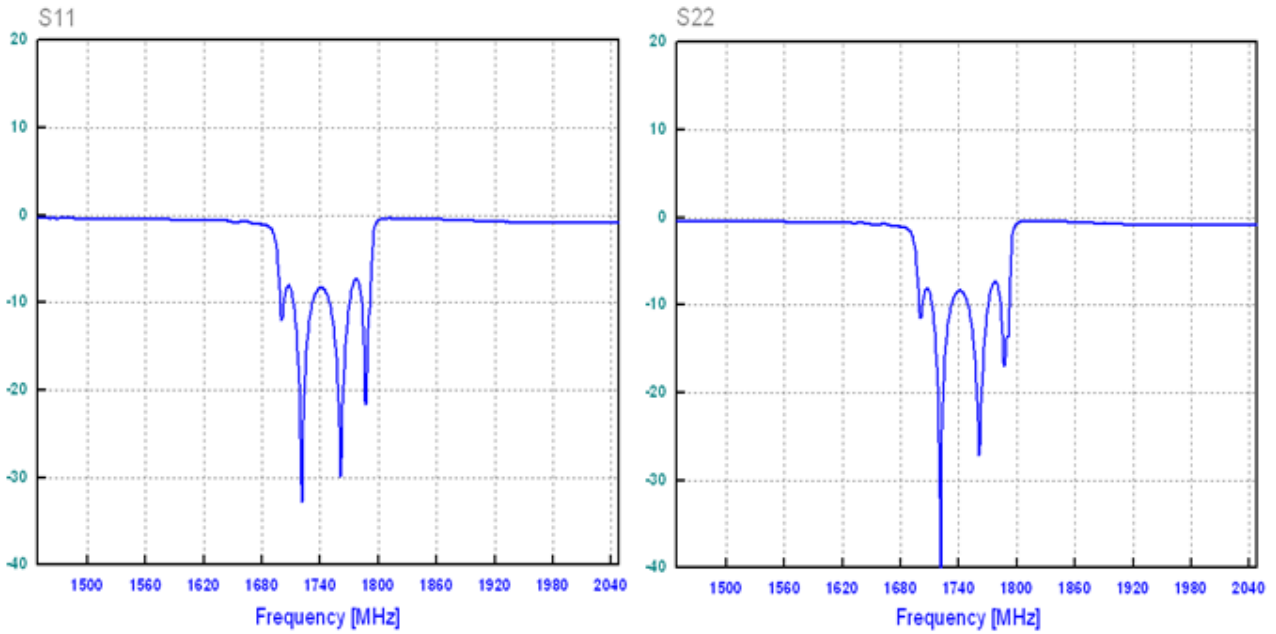


Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics



### Return Loss



### Smith Chart

